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IN THE CLAIMS:

Please amend the claims as follows:

1-2. (Currently canceled)

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3. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 1, ~~or has at least about 60% similarity to SEQ ID NO: 1, or hybridizes to SEQ ID~~
~~NO: 1 under low stringency conditions, wherein said conditions comprise hybridization at 42°C~~
~~in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about~~
~~1M to about 2M salt.~~

4. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 3, ~~or has at least about 60% similarity to SEQ ID NO: 3, or hybridizes to SEQ ID~~
~~NO: 3 under low stringency conditions, wherein said conditions comprise hybridization at 42°C~~
~~in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about~~
~~1M to about 2M salt.~~

5. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 5, ~~or has at least about 60% similarity to SEQ ID NO: 5, or hybridizes to SEQ ID~~
~~NO: 5 under low stringency conditions, wherein said conditions comprise hybridization at 42°C~~
~~in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about~~
~~1M to about 2M salt.~~

6. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 7, ~~or has at least about 60% similarity to SEQ ID NO: 7, or hybridizes to SEQ ID~~
~~NO: 7 under low stringency conditions, wherein said conditions comprise hybridization at 42°C~~

~~in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.~~

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7. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 9, ~~or has at least about 60% similarity to SEQ ID NO: 9, or hybridizes to SEQ ID~~
~~NO: 9 under low stringency conditions, wherein said conditions comprise hybridization at 42°C~~
~~in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about~~
~~1M to about 2M salt.~~

cont.
8. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 14, ~~or has at least about 60% similarity to SEQ ID NO: 14, or hybridizes to SEQ~~
~~ID NO: 14 under low stringency conditions, wherein said conditions comprise hybridization at~~
~~42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with~~
~~about 1M to about 2M salt.~~

9. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 16, ~~or has at least about 60% similarity to SEQ ID NO: 16, or hybridizes to SEQ~~
~~ID NO: 16 under low stringency conditions, wherein said conditions comprise hybridization at~~
~~42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with~~
~~about 1M to about 2M salt.~~

10. (Currently amended) The An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 18, ~~or has at least about 60% similarity to SEQ ID NO: 18, or hybridizes to SEQ~~
~~ID NO: 18 under low stringency conditions, wherein said conditions comprise hybridization at~~
~~42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with~~
~~about 1M to about 2M salt.~~

11. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 20, ~~or has at least about 60% similarity to SEQ ID NO: 20, or hybridizes to SEQ~~
~~ID NO: 20 under low stringency conditions, wherein said conditions comprise hybridization at~~
~~42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with~~
~~about 1M to about 2M salt.~~

12. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 22, ~~or has at least about 60% similarity to SEQ ID NO: 22, or hybridizes to SEQ~~
~~ID NO: 22 under low stringency conditions, wherein said conditions comprise hybridization at~~
~~42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with~~
~~about 1M to about 2M salt.~~

13. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2,~~
~~wherein said nucleic acid molecule comprises a~~ comprising the nucleotide sequence as set forth
in SEQ ID NO: 24, ~~or has at least about 60% similarity to SEQ ID NO: 24, or hybridizes to SEQ~~
~~ID NO: 24 under low stringency conditions, wherein said conditions comprise hybridization at~~
~~42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with~~
~~about 1M to about 2M salt.~~

14. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~
comprising a sequence of nucleotides encoding or complementary to a sequence encoding an~~the~~
amino acid sequence as set forth in SEQ ID NO: 2 ~~or an amino acid sequence having at least~~
~~about 50% similarity thereto.~~

15. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~
comprising a sequence of nucleotides encoding or complementary to a sequence encoding an~~the~~
amino acid sequence as set forth in SEQ ID NO: 4 ~~or an amino acid sequence having at least~~
~~about 50% similarity thereto.~~

16. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 6 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

17. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 8 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

18. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 10 or SEQ ID NO:11 or SEQ ID NO:12 or SEQ ID NO:13 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

19. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 15 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

20. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 17 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

21. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 19 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

22. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 21 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

23. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 23 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

24. (Currently amended) ~~The~~An isolated nucleic acid molecule ~~according to claim 2~~ comprising a sequence of nucleotides encoding or complementary to a sequence encoding ~~an~~the amino acid sequence as set forth in SEQ ID NO: 25 ~~or an amino acid sequence having at least about 50% similarity thereto.~~

25. (Previously canceled)

26. (Currently amended) A genetic construct capable of reducing expression of an endogenous gene encoding a flavonoid 3'-hydroxylase in a plant, said genetic construct comprising a nucleotide sequence selected from the group consisting of:

- (i) a nucleotide sequence encoding ~~the~~an amino acid sequence selected from the group consisting of ~~set forth in one of~~ SEQ ID NO:2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 15, SEQ ID NO: 17, SEQ ID NO: 19, SEQ ID NO: 21, SEQ ID NO: 23, ~~or~~and SEQ ID NO: 25; and
- (ii) ~~the~~a nucleotide sequence selected from the group consisting of ~~set forth in one of~~ SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 7, SEQ ID NO: 14, SEQ ID NO: 16, SEQ ID NO: 18, SEQ ID NO: 20, SEQ ID NO: 22 or SEQ ID NO: 24, ~~or~~and the coding region in SEQ ID NO: 9;
- ~~(iii) a nucleotide sequence having at least about 60 % similarity to (i) or (ii); and~~

~~(iv) a nucleotide sequence which hybridizes under low stringency conditions to (i), (ii) or (iii) wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.~~

27. (Currently amended) A method for producing a transgenic plant which synthesizes a flavonoid 3'-hydroxylase, said method comprising stably transforming a cell of a plant with ~~a~~the nucleic acid molecule according to any one of claims 3-24~~which comprises a sequence of nucleotides encoding said flavonoid 3'-hydroxylase~~ under conditions wherein said nucleic acid molecule is expressed, regenerating a transgenic plant from the transformed cell, and growing said transgenic plant for a time and under conditions wherein the nucleic acid molecule is expressed.

28-29. (Currently canceled)

30. (Currently amended) The method according to claim 27 ~~or 28~~ wherein said plant is selected from the group consisting of petunia, carnation, chrysanthemum, rose, snapdragon, tobacco, cornflower, pelargonium, lisianthus, gerbera, apple, iris, lily, African violet and morning glory.

31-32. (Currently canceled)

33. (Currently amended) A transgenic plant having tissue exhibiting altered colour, said transgenic plant comprising a nucleic acid molecule which comprises~~comprising~~ a sequence of nucleotides selected from the group consisting of:

- (i) a nucleotide sequence encoding ~~the~~an amino acid sequence selected from the group consisting of~~set forth in one of~~ SEQ ID NO:2, SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 15, SEQ ID NO: 17, SEQ ID NO: 19, SEQ ID NO: 21, SEQ ID NO: 23, or SEQ ID NO: 25; and

(ii) ~~the~~ a nucleotide sequence ~~set forth in one of~~ selected from the group consisting of SEQ ID NO: 1, SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 7, SEQ ID NO: 14, SEQ ID NO: 16, SEQ ID NO: 18, SEQ ID NO: 20, SEQ ID NO: 22 or SEQ ID NO: 24, ~~or~~ and the coding region in SEQ ID NO: 9;

~~— (iii) — a nucleotide sequence having at least about 60 % similarity to (i) or (ii); and~~

~~— (iv) — a nucleotide sequence which hybridizes under low stringency conditions to (i), (ii) or (iii) wherein said conditions comprise hybridization at 42°C in about 1% to about 15% formamide and about 1M to about 2M salt, and washing with about 1M to about 2M salt.~~

33. 34. (Currently amended) The cut flower from ~~a~~the transgenic plant according to claim

35. (Currently amended) The seed from ~~a~~the transgenic plant according to claim 33.

36. (Currently amended) The fruit from ~~a~~the transgenic plant according to claim 33.

37. (Currently amended) The leaf from ~~a~~the transgenic plant according to claim 33.

38-39. (Previously canceled)
